

## FIG. 2

AMG		ATS	TS ATS						
		(Menu)							
ATSI		ACE	S   [		ACE	3S			ATSI
Title				Title					
	ACB			10.00	Α	СВ			
Track		Tra	ck		Tr	ack			
(PTT)		(F	PTT)			(PT	T)		
Index			lr	ndex					
CELL				CELL					
ACBU	ACE	3U	AC	BU	AC	BU	AC	BU	
	0.5	SECO	VD.						
A-CONT A1	A1	A2	V	A1	A1	A2	A1	V	

FIG. 3

AMG (AUDIO MANAGER)

AMGI (AUDIO MANAGER)
INFORMATION

AMGM—ACBS
(AMG MENU / AUDIO CONTENTS BLOCK SET)

PCI (PRESENTATION CONTROL INFORMATION)
DSI (DATA SEARCH INFORMATION)

BACKUP AMGI

FIG. 4

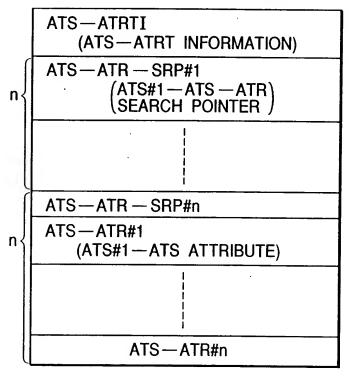
ATS (AUDIO TITLE SET)

ATSI (AU	DIO TITLE SET )
ATSM—ACE (AT (CC	BS S MENU / AUDIO ONTENTS BLOCK SET)
	PCI
	DSI
ATST—ACB (A	S TS TITLE—ACBC)
	PCI
	DSI
ВА	CKUP ATSI

AMGI (AUDIO MANAGER)

AMGI — MAT (AMGI MANAGEMENT TABLE) T-SRPT TITLE SEARCH POINTER TABLE AMGM—PGCI — UT (AUDIO MANAGER MENU)
PGCI UNIT TABLE PTL-MAIT (PARENTAL MANAGEMENT) INFORMATION TABLE ATS-ATRT (AUDIO TITLE SET ) ATTRIBUTE TABLE TXTDT—MG (TEXT DATA MANAGER) AMGM-C-ADT(AMGM CELL ADDRESS TABLE) AMGM-ACBU-ADMAP (AMGM—ACBU— ADDRESS MAP

ATS-ATRT (AUDIO TITLE SET ATTRIBUTE TABLE)



## FIG. 7

ATS-ATR (ATS ATTRIBUTE)

ATS-ATR-EA (END ADDRESS)	4 BYTES
ATS—CAT (CATEGORY)	4 BYTES
ATS—ATR I (ATS—ATR INFORMATION)	768 BYTES

# ATSI (AUDIO TITLE SET) INFORMATION

```
ATSI — MAT
   (ATSI MANAGEMENT TABLE)
ATS—PTT—SRPT
      ATS PART OF TITLE
      SEARCH POINTER TABLE
ATS-PGCIT
      (ATS PROGRAM CHAIN
      INFORMATION TABLE
ATSM-PGCI-UT
      (ATS MENU PROGRAM)
      CHAIN UNIT TABLE
ATS-TMAPT
      (ATS TIME MAP TABLE)
ATSM-C-ADT
      (ATS MENU CELL )
ADDRESS TABLE
ATSM-ACBU - ADMAP
      (ATS MENU ACBU)
      \ADDRESS MAP
ATS-C-ADT
     (ATS CELL ADDRESS TABLE)
ATS-ACBU-ADMAP
    (ATS-ACBU-ADDRESS MAP)
```

ATSI — MAT (ATSI MANAGEMENT TABLE)

ATS —ID (IDENTIFIER)
ATS—EA (END ADDRESS)
ATSI —EA
VERN (VERSION NUMBER)
ATS—CAT (CATEGORY)
ATSI — MAT — EA
ATSM-ACBS-SA (START ADDRESS)
ATSA—ACBS—SA
ATS-PTT-SRPT-SA
ATS-PGCIT-SA
ATSM-PGCI-UT-SA
ATS-TMAPT-SA
ATSM-C-ADT-SA
ATSM—ACBU—ADMAP—SA

ATSM-AST-ATR
(ATSM AUDIO STREAM)
ATTRIBUTE

ATS—AST—Ns
(ATS AUDIO STREAM NUMBER)

ATS—AST—ATRT (ATS AUDIO STREAM) ATTRIBUTE TABLE

ATSM-AST-ATR (AUDIO TITLE SET MENU AUDIO)

			(STREAM	ATTRIBU	JIE DAIA	A )	
b63	b62	b61	b60	b59	b58	b57	b56
AUDIO MODE	ENCOD	ING					
b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZA DRC	TION /	fs	3		AUDI NUMI	O CHAN BER	NEL
b47	<u>.</u>						b40
			<del></del>				
b39			1		1		b32
b31	1	<u></u>			1	<del></del> -	b24
,							
b23						L	b16
		·					
b15							b8
b7			<u></u>		1		b0
						•	

# F/G. 11

8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	8 BYTES	
ATS-AST-ATR	ATS-AST-ATR	ATS-AST-ATR	ATS-AST-ATR	ATS-AST-ATR	ATS-AST-ATR	ATS-AST-ATR	
(AST) #1	(AST) #2	(AST) #3	(AST) #4	(AST) #5	(AST) #6	(AST) #7	
AUDIO STREAM	AUDIO STREAM	AUDIO STREAM	AUDIO STREAM	AUDIO STREAM	AUDIO STREAM	AUDIO STREAM	
	STREAM (AST) #1 ATS—AST—ATR	STREAM         (AST) #1         ATS—AST—ATR         8           STREAM         (AST) #2         ATS—AST—ATR         8	(AST) #1       ATS—AST—ATR       8         (AST) #2       ATS—AST—ATR       8         (AST) #3       ATS—AST—ATR       8	(AST) #1       ATS—AST—ATR       8         (AST) #2       ATS—AST—ATR       8         (AST) #3       ATS—AST—ATR       8         (AST) #4       ATS—AST—ATR       8	(AST) #1       ATS—AST—ATR       8         (AST) #2       ATS—AST—ATR       8         (AST) #3       ATS—AST—ATR       8         (AST) #4       ATS—AST—ATR       8         (AST) #5       ATS—AST—ATR       8	STREAM         (AST) #1         ATS—AST—ATR         8           STREAM         (AST) #2         ATS—AST—ATR         8           STREAM         (AST) #4         ATS—AST—ATR         8           STREAM         (AST) #5         ATS—AST—ATR         8           STREAM         (AST) #6         ATS—AST—ATR         8	STREAM       (AST) #1       ATS—AST—ATR       8         STREAM       (AST) #2       ATS—AST—ATR       8         STREAM       (AST) #4       ATS—AST—ATR       8         STREAM       (AST) #5       ATS—AST—ATR       8         STREAM       (AST) #6       ATS—AST—ATR       8         STREAM       (AST) #6       ATS—AST—ATR       8

# ATS-AST-ATR (AUDIO TITLE SET AUDIO STREAM ATTRIBUTE DATA)

b63	b62	, b61	b60	b59	b58	b57	, b56
	AUDIO ENCODING MODE		ME	AUDIO	TYPE	AUDIO AF MODE	PRICATION
<b>L</b> .C.C.	<b>L</b> .C.4	h CO	<b>L.CO</b>	L F 4	1.50	1.40	1.40
b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZ DRC	ATION /	fs	3		NUM NUM	IO CHAN IBER	INEL
b.47	h.40	<b>L</b> 45	. 644				1.40
b47	b46	b45	b44		1	1	b40
AST THINN	ING	LFE THINI	NING				
b39 .							b32
555				1	I		
b31		- 1 !		1		•	b24
<u> </u>	-					· · · · · · · · · · · · · · · · · · ·	
b23	, 	l		<u> </u>	L	1	b16
h.4 F							
b15		<u> </u>		<u> </u>	<u> </u>	1	b8
		·		·	· · · · · · · · · · · · · · · · · · ·		
b7 .							b0
[.		<del></del>	<u></u>	l	I		
						<del></del>	<u></u>

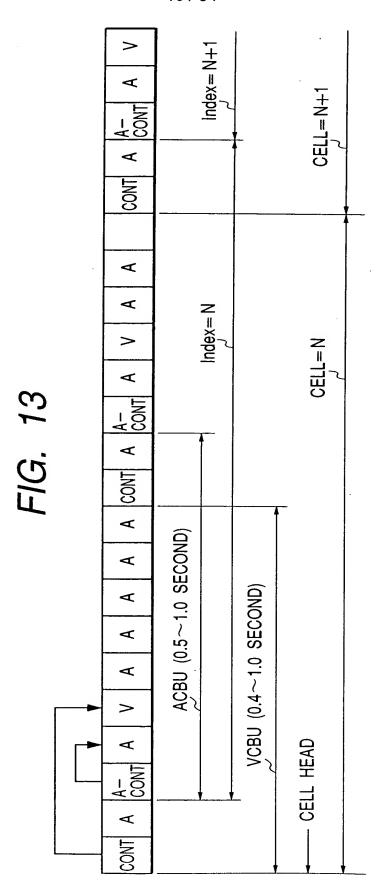


FIG. 14

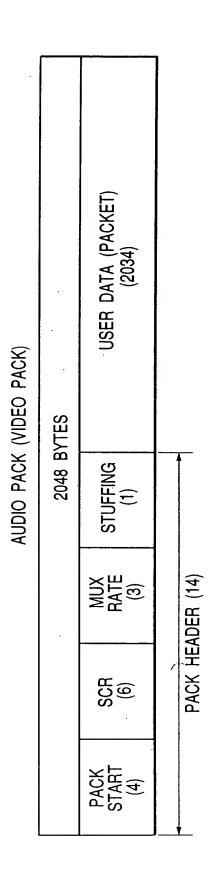
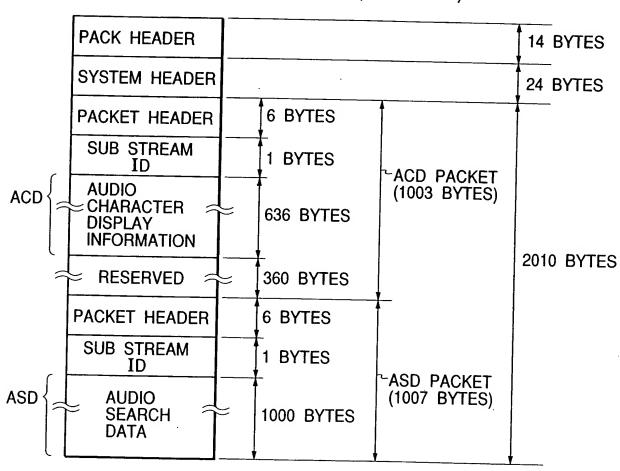


FIG. 15

#### AUDIO CONTROL PACK (2048 BYTES)



#### ACD (636 BYTES)

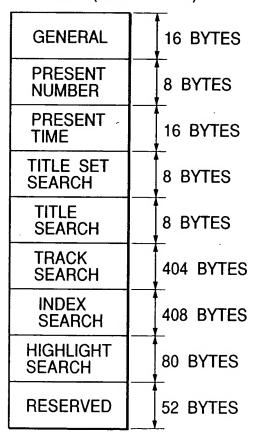
GENERAL INFORMATION	48 BYTES				
NAME SPACE	93 BYTES	93 BYTES			
FREE SPACE 1	93 BYTES	93 BYTES			
FREE SPACE 2	93 BYTES	93 BYTES			
DATA POINTER	15 BYTES	15 BYTES			
TOTAL	294 BYTES	294 BYTES			

FIRST SECOND LANGUAGE

### FIG. 17

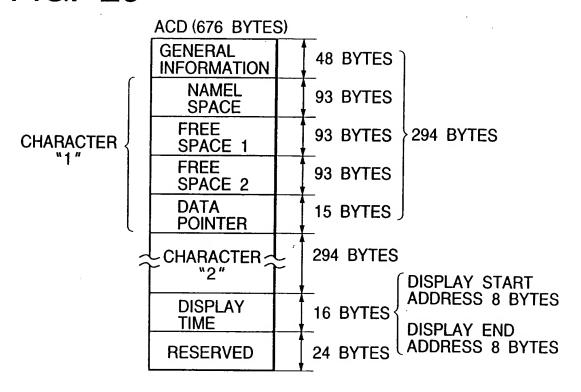
キョクモクカイセツ 前作のエディング曲 " FORGET- ME- NOT "

#### ASD (1000 BYTES)



⋖

Ø Index=N+1 CELL=N+1 Ø ¥ A-CONT V ¥ N=xepul CELL=N Ø ⋖ FIG. 19 A-CONT ⋖ Ø Ø ACBU (0.5~1.0 SECOND) × ¥ ⋖ V ⋖ CELL HEAD ⋖ ⋖ ⋖ A-CONT



#### FIG. 21

#### ASD (1000 BYTES)

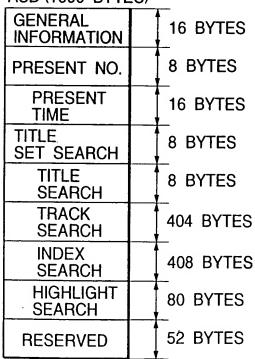


FIG. 22

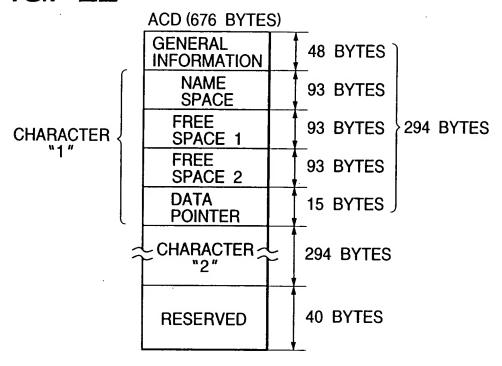
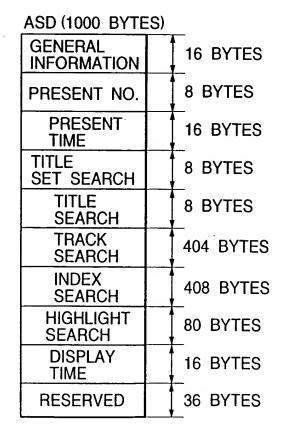


FIG. 23



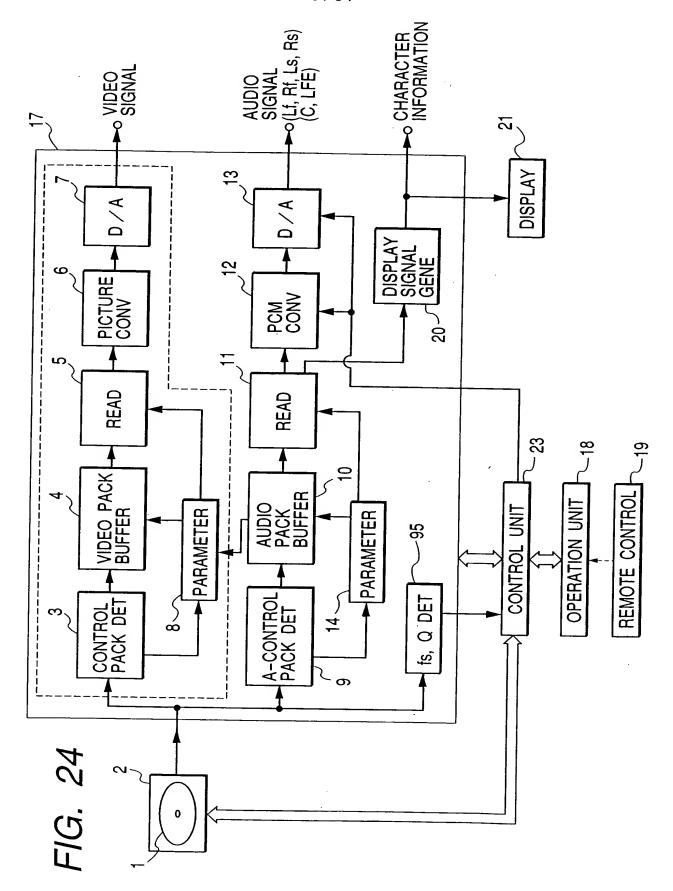


FIG. 25

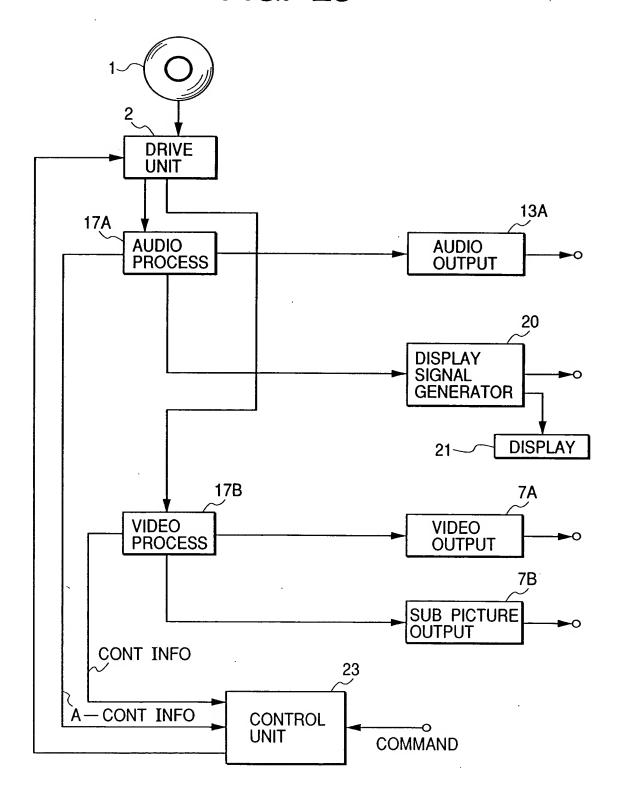


FIG. 26

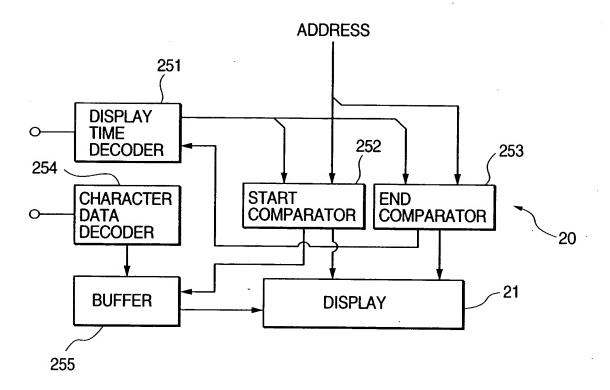


FIG. 27

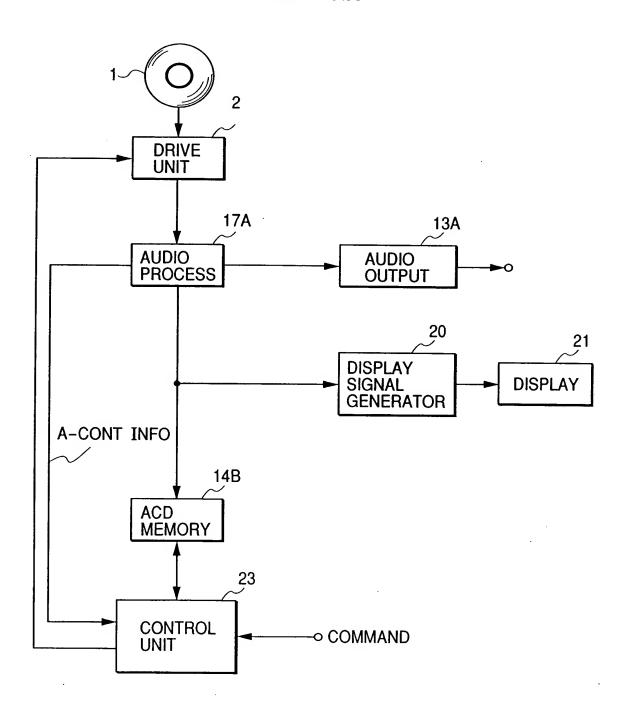
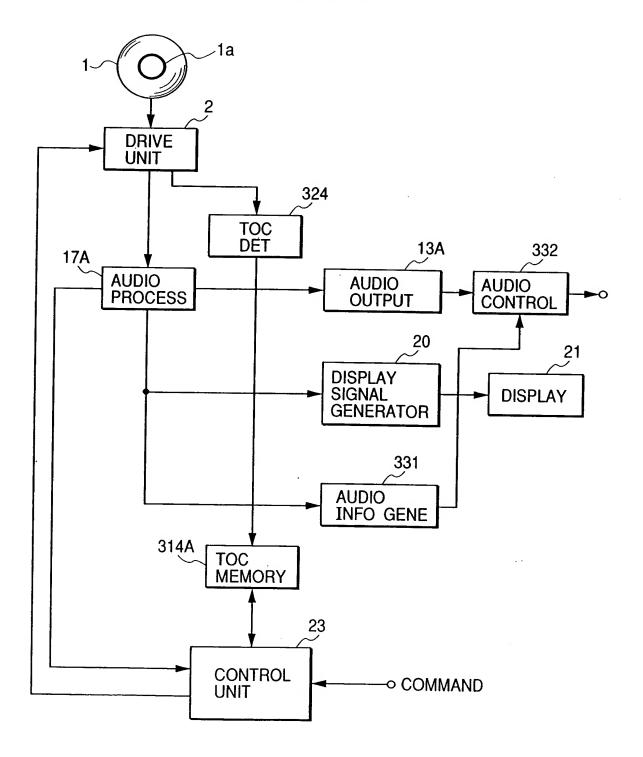


FIG. 28



# AMGI ( AUDIO MANAGER )

AMGI-MAT (AMGI MANAGEMENT TABLE)
T—SRPT (TITLE SEARCH POINTER TABLE)
AMGM—PGCI—UT (AUDIO MANAGER MENU) PGCI UNIT TABLE
PTL-MAIT (PARENTAL MANAGEMENT) (INFORMATION TABLE
ATS-ATRT (AUDIO TITLE SET (ATTRIBUTE TABLE)
TXTDT—MG (TEXT DATA MANAGER)
AMGM—C—ADT (AMGM CELL ADDRESS TABLE)
AMGM—ACBU—ADMAP (AMGM—ACBU—ADDRESS MAP)
TOC

FIG. 30

FRAME NUMBER	POINT	PMIN, PSEC, PFRAME	
n	01	00, 02, 32	_
n+1	01	•	ł
n+2	01		i
n+3	02	00, 02, 32	
n+3 n+4	02	10, 15, 12 10, 15, 12	
n+5	02	· · · · · · · · · · · · · · · · · · ·	
n+6	03	•	
n+7	03	16, 28, 63	
n+8	03	16, 28, 63	
n+9	04	16, 28, 63	
n+10	04		
n+11	04	• •	
n+12	05	• •	
n+13		• •	1 SET
	05		
n+14 n+15	0.5	40 40 00	ļ
	06	49, 10, 03	
n+16	06	49, 10, 03	
n+17	06	49, 10, 03	
n+18	A 0	01, 00, 00	
n+19	A 0	01, 00, 00	
n+20	A 0	01, 00, 00	
n+21	A 1	06, 00, 00	
n+22	A 1	06, 00, 00	
n+23	A 1	06, 00, 00	ŀ
n+24	A 2	5 2, 4 8, 4 1	İ
n+25	A 2	52, 48, 41	
n+26	A 2	52, 48, 41	<u> </u>
n+27	0 1	00, 02, 32	
n+28	01	00, 02, 32	
•	•		
•	•	•	

# ATSI ( AUDIO TITLE SET )

ATSI-MAT (ATSI MANAGEMENT TABLE)
ATS-PTT-SRPT (ATS PART OF TITLE (SEARCH POINTER TABLE)
ATS-PGCIT (ATS PROGRAM CHAIN) (INFORMATION TABLE)
ATSM-PGCI-UT (ATS MENU PROGRAM CHAIN) UNIT TABLE
ATS-TMAPT (ATS TIME MAP TABLE)
ATSM-C-ADT (ATS MENU CELL) (ADDRESS TABLE)
ATSM-ACBU-ADMAP (ATS MENU ACBU) (ADDRESS MAP
ATS-C-ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)
TOC

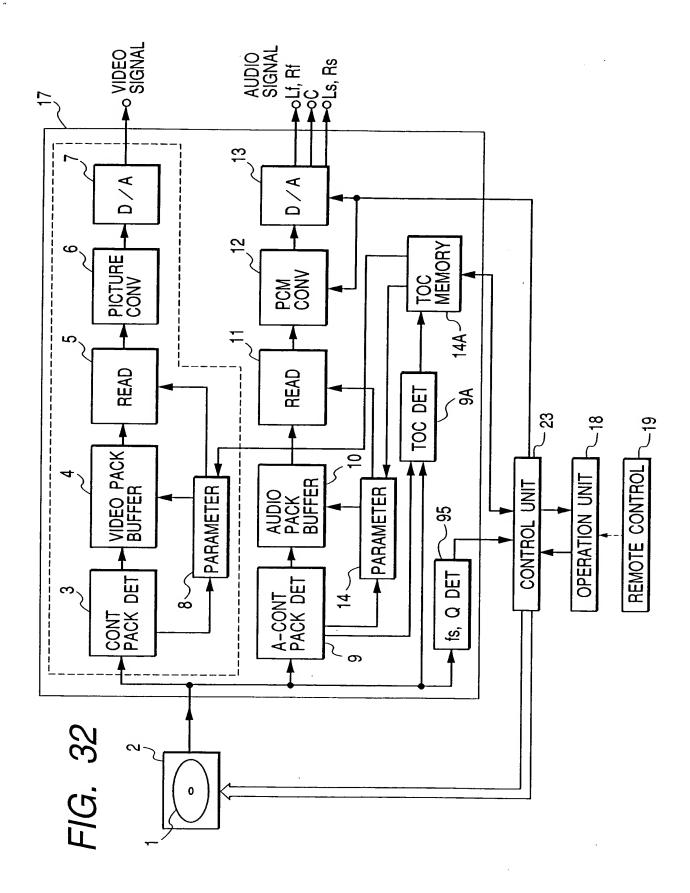


FIG. 33

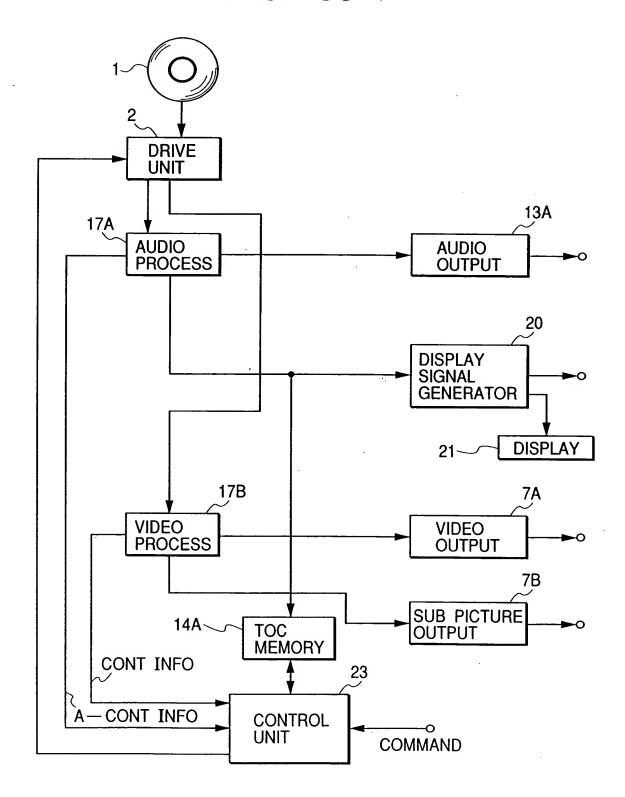


FIG. 34

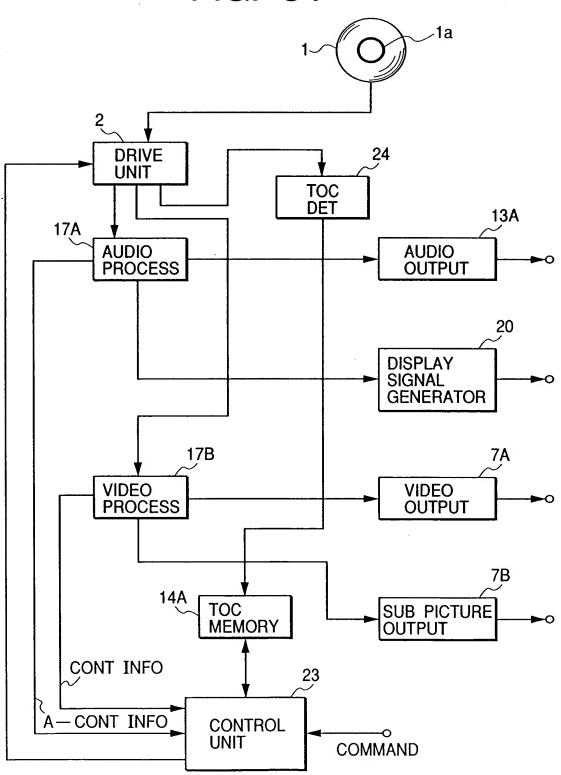
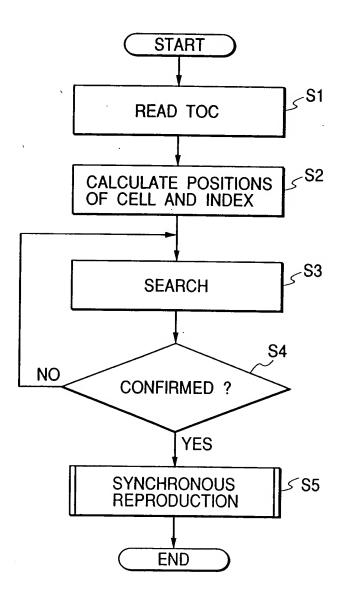


FIG. 35



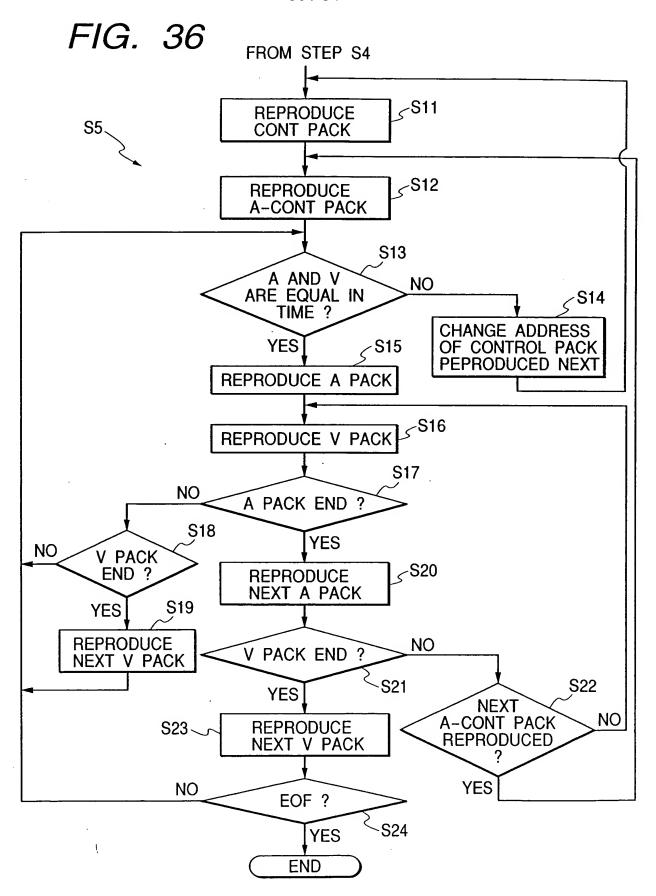


FIG. 37

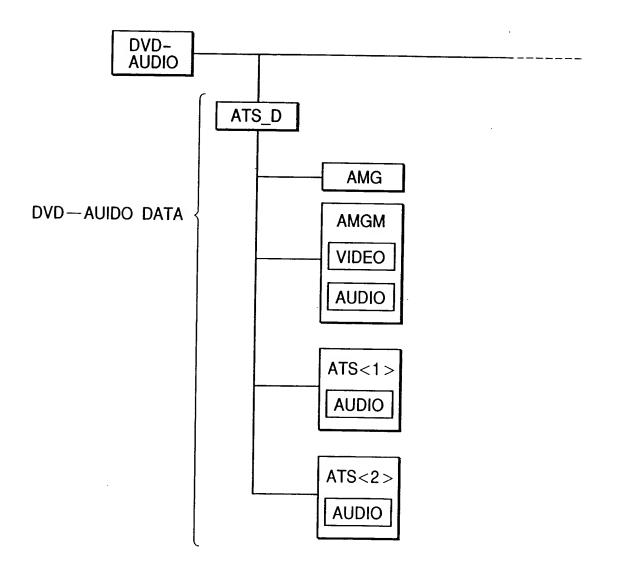


FIG. 38

CELL HEAD	A A A A A A A A A A A A A A A A A A A	A   A   A   A   A   A   A   A   A   A
-----------	---------------------------------------	---------------------------------------

FIG. 39

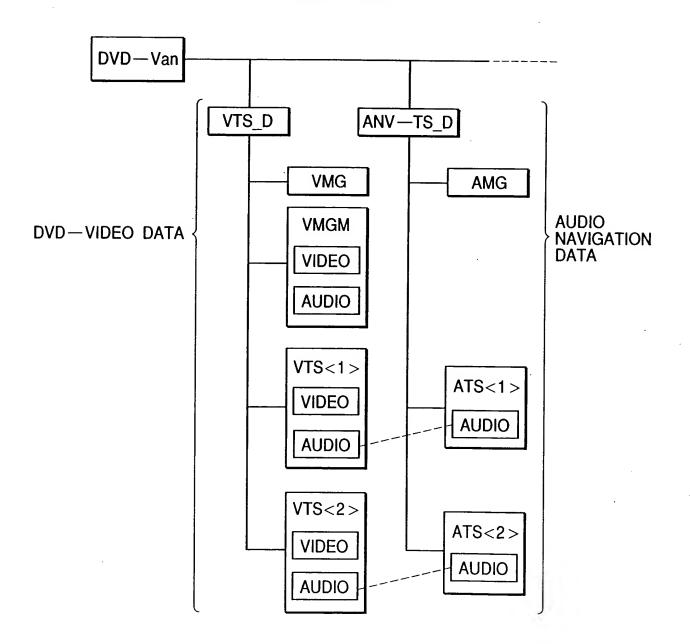


FIG. 40

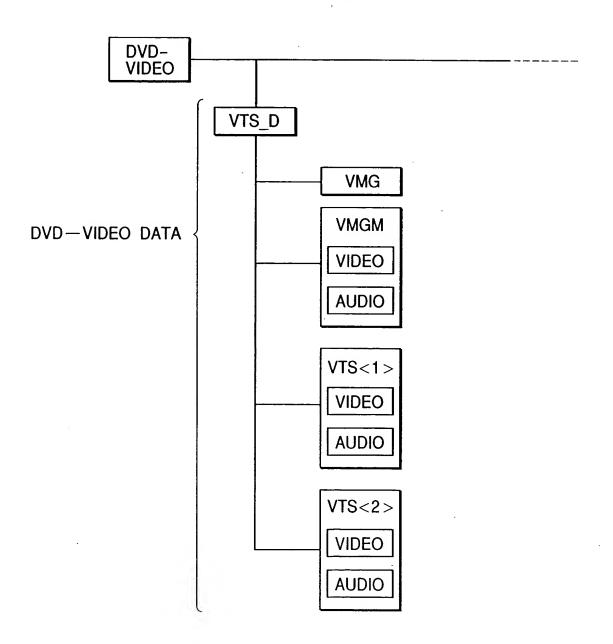
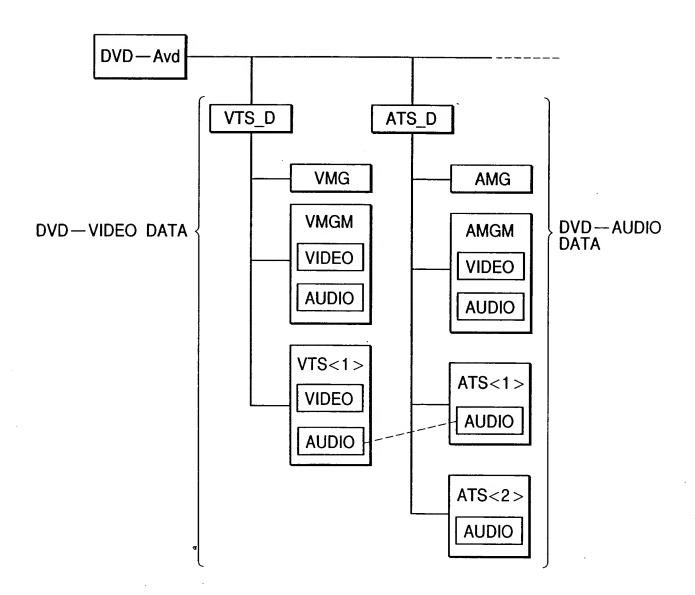


FIG. 41



AOTT-AOB-ATR

b63	b62	b61	b60	b59	b58	b57	b56		
AUDIO ENCODING MODE				D-M	MULTICHANNEL STRUCTURE TYPE				
b55 ,	b54 ,	b53	, b52	b51	b50	b49	b48		
Q1				Q2 <sub></sub>					
b47	b46 ,	b45	b44	b43	b42	b41	b40		
fs1				fs2					
b39		b37	, b36	L			b32		
RESERVED C				HANNEL ASSIGNMENT					
b31			1	1			b24		
RESERVED									
b23			1				b16		
RESERVED									
b15			1				b8		
RESERVED									
b7			1				, b0		
RESERVED									
<b></b>				•					

### LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	4	
ISRC NUMBER	4	2
ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG F1	1	-
AUDIO EMPHASIS FLAG F2	1	
RESERVED	1	1
DOWN MIX CODE	5	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	
AUDIO SAMPLING FREQUENCY fs 1	4	1
AUDIO SAMPLING FREQUENCY fs 2	4	'
RESERVED	4	
MULTICHANNEL TYPE	4	1
CHANNEL ASSIGNMENT 1	4	,
CHANNEL ASSIGNMENT 2	4	1
DYNAMIC RANGE CONTROL	8	1
STUFFING BYTE		0-7

FIG. 44

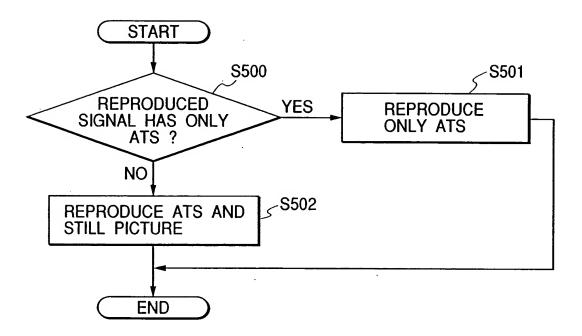


FIG. 45

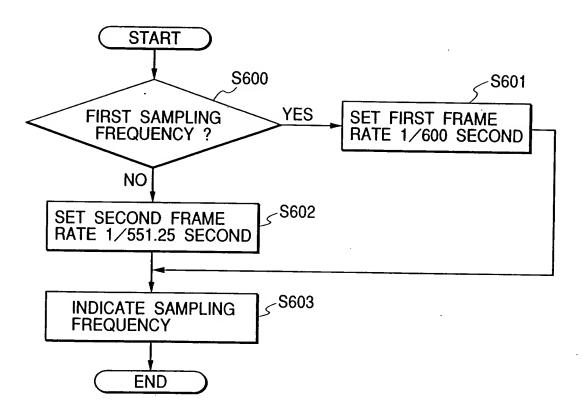


FIG. 46

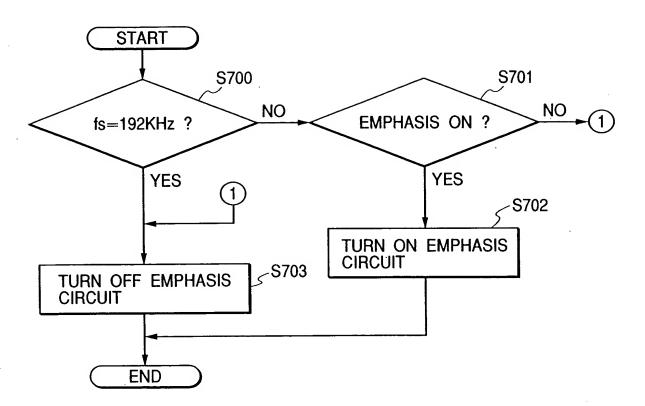
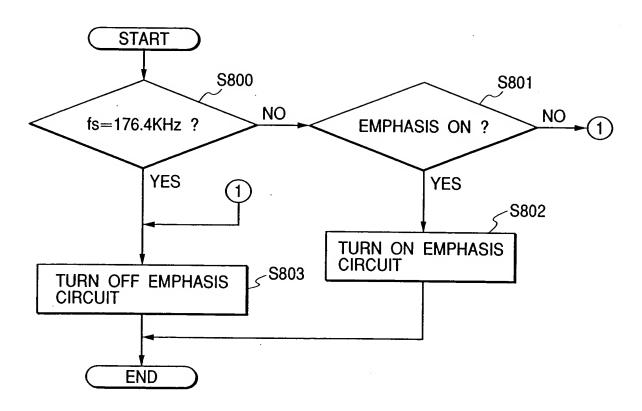
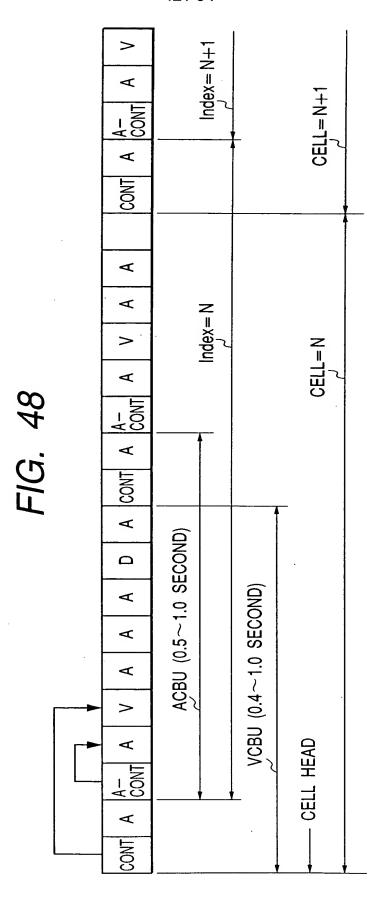


FIG. 47





⋖ V Index= N+1 CELL=N+1 V V A-CONT 4 Index=N Ø CELL=N ¥ A FIG. 49 A-CONT ¥ × ⋖ ACBU (0.5~1.0 SECOND) × × Ω A V CELL HEAD ⋖ Ø

FIG. 50

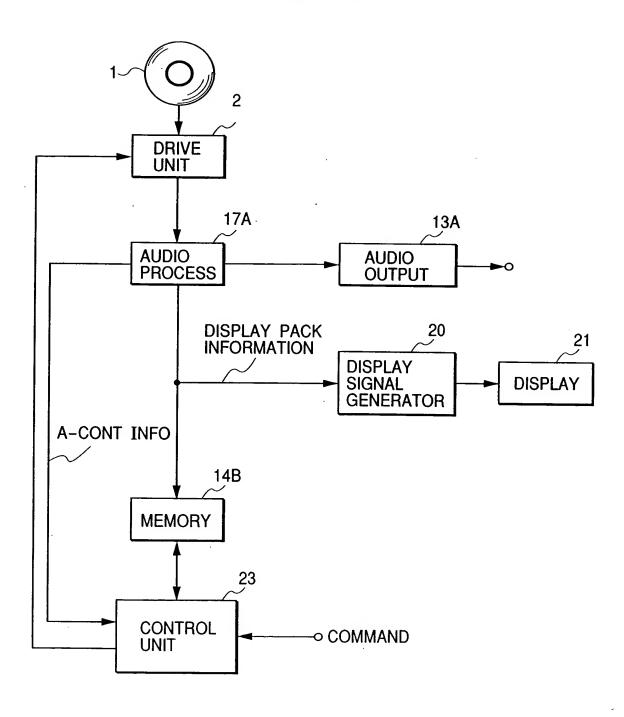


FIG. 51

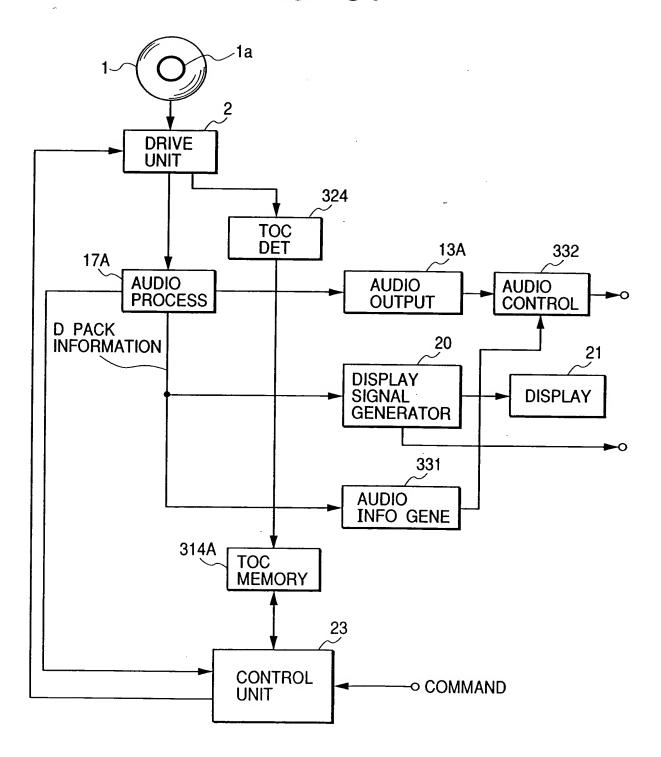


FIG. 52

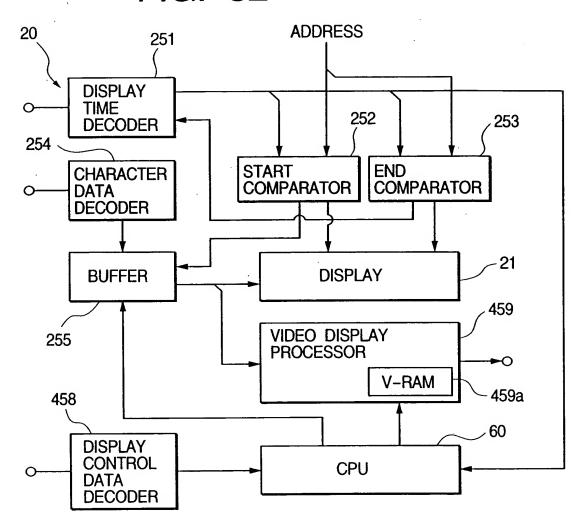


FIG. 53

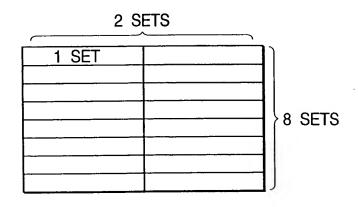


FIG. 54

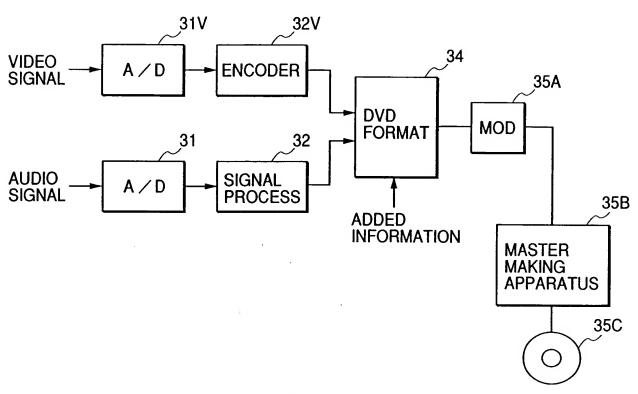
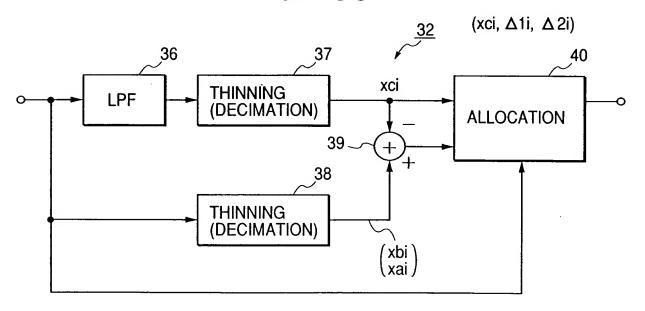


FIG. 55



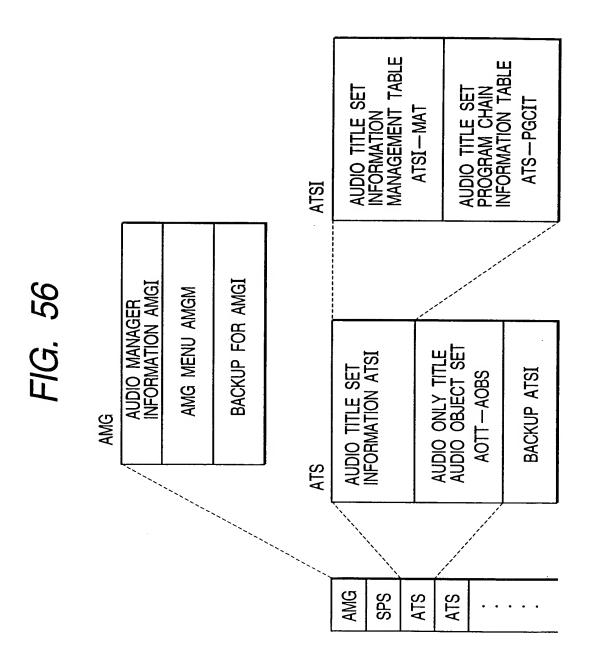


FIG. 57

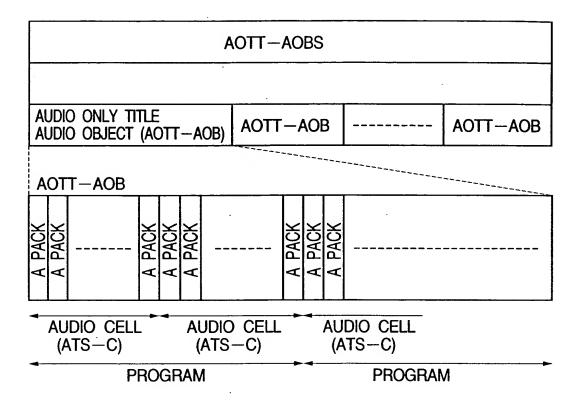


FIG. 58

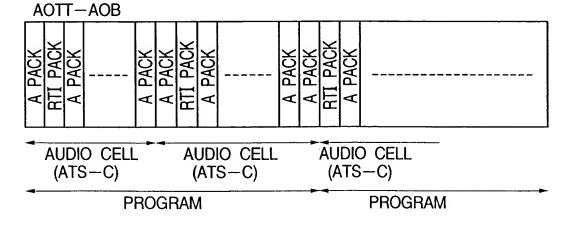


FIG. 59

LINEAR PCM AUDIO PACK

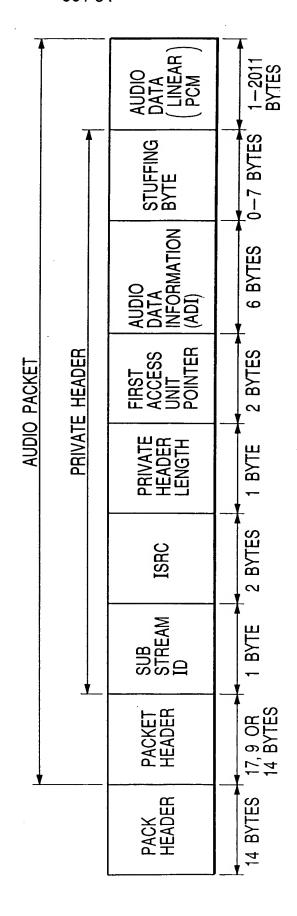


FIG. 60

### LINEAR PCM PRIVATE HEADER

FILED	BIT NUMBER	BYTE NUMBER
SUB STREAM ID	8	1
RESERVED	3	
UPC/EAN-ISRC NUMBER	5	2
UPC/EAN-ISRC DATA	8	
PRIVATE HEADER LENGTH	8	1
FIRST ACCESS UNIT POINTER	16	2
AUDIO EMPHASIS FLAG	1	
RESERVED	1	
DOWN MIX CODE	1	1
DOWN MIX CODE EFFECTIVENESS	1	
DOWN MIX CODE	4	
QUANTIZATION WORD LENGTH 1	4	1
QUANTIZATION WORD LENGTH 2	4	1
AUDIO SAMPLING FREQUENCY fs 1	4	4
AUDIO SAMPLING FREQUENCY fs 2	4	
RESERVED	4	1
MULTICHANNEL TYPE	4	•
BIT SHFT OF CHANNEL GROUP 2	3	1
CHANNEL ASSIGNMENT	5	1
DYNAMIC RANGE CONTROL	8	1
RESERVED	8	0
RESERVED	8	2
STUFFING BYTE		8

ADI

			•					
	b7	b6	b5	b4	b3	b2	b1	b0
	RESI	ERVED	COUN	TRY CO	DE (ISR	C #1)		
						· · · · · · · · · · · · · · · · · · ·	···	
			F	FIG.	<i>62</i>			
_	b7	b6	b5	b4	b3	b2	b1	b0
	RES	ERVED	COUN	COUNTRY CODE (ISRC #2)				
		· · · · · · · · · · · · · · · · · · ·						
			F	7 <i>G</i> .	63			
_	b7	b6	b5	b4	b3	b2	b1	b0
	RESE	RVED	COPY	RIGHT H	OLDER	CODE (	(SRC #3)	
			_					
			F	FIG.	64			
_	b7	b6	b5	b4	b3	b2	b1	b0
	RESE	RVED	COPY	RIGHT H	OLDER	CODE ()	SRC #4)	
			_				-	
			F	FIG.	65			
	b7	b6	b5	b4	b3	b2	b1	b0
	RESE	RVED	COPYF	RIGHT H	OLDER (	CODE (I	SRC #5)	
						-		
			F	FIG.	66			
_	b7	b6	b5	b4	b3	b2	b1	b0_
		RESE	RVED		RECC	RDING	YEAR (IS	SRC #6)
			F	FIG.	67			
	b7	b6	b5	b4	b3	b2	b1	b0
		RESE	RVED		RECO	RDING	YEAR (IS	RC #7)

FIG. 68

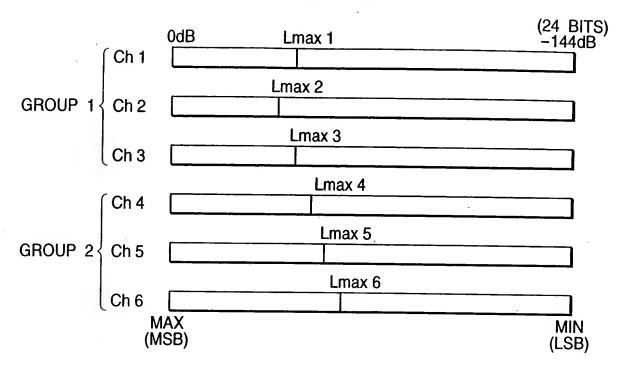


FIG. 69

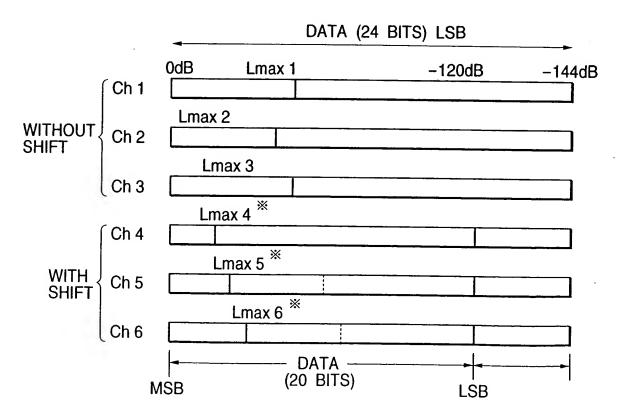


FIG. 70

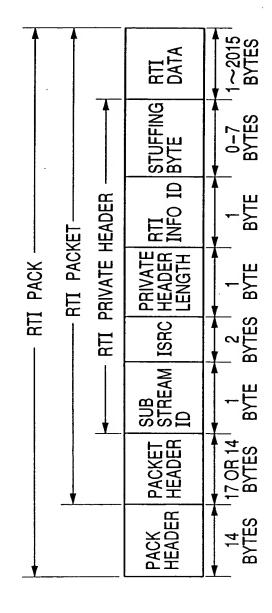


FIG. 71

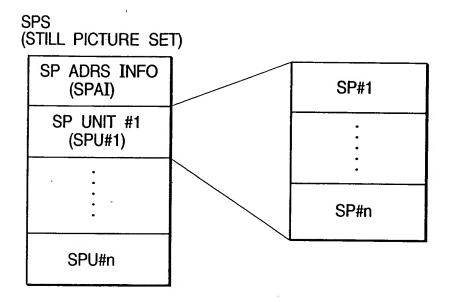
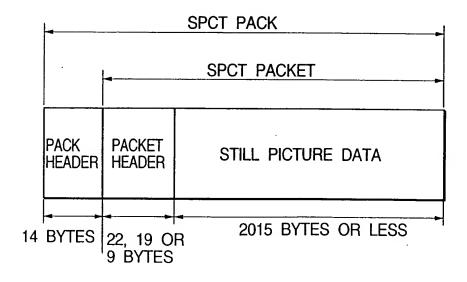


FIG. 72



### ATSI-MAT

ATOL WA		
RBP		BYTE NUMBER
0~11	ATS IDENTIFIER (ATS—ID)	12
12~15	ATS END ADRS (ATS-EA)	4
16~27	RESERVED	12
28~31	ATSI END ADRS (ATSI—EA)	4
32, 33	VERSION NO (VERN)	2
34~127	RESERVED	94
128~131	ATSI-MAT END ADRS	4
132~191	RESERVED	60
192~195	AOTT VTS START ADRS	4
196~199	AOTT AOBS START ADRS (AOTT VOBS START ADRS)	4
200~203	RESERVED	4
204~207	ATS-PGCIT START ADRS	4
208~255	RESERVED	48
256~383	AOTT-AOB-ATR AOTT-VOB-AST-ATR	128
384~671	ATS-DM-COEFT#0~#15	288
672~703	RESERVED	32
704~705	STILL PICTURE DATA ATTRIBUTE (ATS-SPCT-ART)	2
706~2047	RESERVED	1342

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AOTT-AOB-ATR

b127	b126	b125	b124	b123 CODING M		b121	b120
b119	b118	b117	b116	<del>-</del>	b114	b113	h112
0113	0110		RESE		<u> </u>	0113	b112
b111	b110	b109	b108	b107	b106	b105	b104
		Q1			Q		0.101
b103	b102	b101	b100	b99	b98	b97	b96
		fs1			fs	2	
b95	b94	b93	b92	b91	b90	b89	b88
MULTICHAN	NEL STRUC	TURE TYPE		CHANNE	L ASSIGN	MENT	
<u>b87</u>	b86	b85	b84_	b83	b82	b81	b80_
			RESE	RVED			
b79	b78	b77	b76	b75	b74	b73	b72
			RESE	RVED			
b71	b70	b69	b68	b67	<b>b</b> 66	b65	b64
			RESE	RVED			
b63	b62	b61	b60	b59	b58	b57	b56
	•		RESE	RVED			
b55	b54	b53	b52	b51	b50	b49	b48
	-		RESE	RVED			
b47	b46	b45	b44	b43	b42	b41	b40
			RESE	RVED			
b39	b38	b37	b36	b35	b34	b33	b32
			RESE	RVED			
b31	b30	b29	b28	b27	b26	b25	b24
			RESE	RVED			
b23	b22	b21	b20	b19	b18	b17	b16
			RESE	RVED	-		
<u>b15</u>	b14	b13	b12	b11	b10	b9	b8
			RESE	RVED			
b7	b6	b5	b4	b3	b2	b1	b0
			RESE	RVED			

CHANNEL ASSIGNMENT INFORMATION		CHANNEL STRUCTURE OF GROUPS 1, 2						CHANNEL NUMBER IN
(BIT PATTERN)	ACH0	ACH1	ACH2	ACH3	ACH4	ACH5	GROUP 1	GROUP 2
00000b	C(mono)	none	none	none	none	none	1	0
00001b	L	R	none	none	none	none	2	0
00010b	Lf	Rf	S	none	none	none	2	1
00011b	Lf	Rf	Ls	Rs	none	none	2	2
00100b	Lf	Rf	LFE	none	none	none	2	1
00101b	Lf	Rf	LFE	S	none	none	2	2
00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
00111b	Lf	Rf	C .	none	none	none	2	1
01000b	Lf	Rf	С	S	none	none	2	2
01001b	Lf	Rf	С	Ls	Rs	none	2	3
01010b	Lf	Rf .	С	LFE	none	none	2	2
01011b	Lf	Rf	С	LFE	S	none	2	3
01100b	Lf	Rf	С	LFE	Ls	Rs	2	4
01101b	Lf	Rf	С	S	none	none	3	1
01110b	Lf	Rf	С	Ls	Rs	none	3	2
01111b	Lf	Rf	С	LFE	none	none	3	1
_10000b	Lf	Rf	С	LFE	S	none	3	2
10001b	Lf	Rf	С	LFE	Ls	Rs	3	3
10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
10011b	Lf	Rf	Ls	Rs	С	none	4	1
10100b	Lf	Rf	Ls	Rs	С	LFE	4	2
OTHERS				RESERV	ED			···

CHANNEL GROUP 1 CHANNEL GROUP 2

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AOTT-VOB-AST-ATR

Name	b127	b126	b125	b124	b123	b122	b121	b120	
RESERVED			Al	JDIO ENG	CODING	MODE			
Decoding Audio Drc   Decoding Audio Drc   Decoding Audio Drc   Decoding Audio Drc   Decoding   D	b119	b118	b117			<u>b114</u>	b113	b112	
Decoration   Dec	<u></u>			RESE	RVED		*		
B103   B102   B101   B100   B99   B98   B97   B96   B95   B95   B94   B93   B92   B91   B90   B89   B88   B97   B95   B95   B94   B93   B92   B91   B90   B89   B88   B97   B86   B85   B84   B83   B82   B81   B80   B60   B67   B79   B78   B77   B76   B75   B74   B73   B72   B79   B70   B70   B69   B68   B67   B66   B65   B64   B85   B85   B85   B57   B56   B63   B62   B61   B60   B59   B58   B57   B56   B55   B54   B53   B52   B51   B50   B49   B48   B85   B57   B56   B55   B54   B53   B52   B51   B50   B49   B48   B85   B57   B56   B55   B54   B53   B52   B51   B50   B49   B48   B85   B57   B56   B55   B54   B53   B52   B51   B50   B49   B48   B57   B56   B55   B54   B53   B55   B54   B53   B55   B54   B53   B55   B54   B53   B55   B54   B55   B54   B55   B55   B54   B55	<u>b111</u>			b108	b107	b106	b105	b104	
Section			<u>Q</u>			RESE	RVED		
b95         b94         b93         b92         b91         b90         b89         b88           MULTICHANNEL STRUCTURE TYPE         CHANNEL ASSIGNMENT           b87         b86         b85         b84         b83         b82         b81         b80           DECODING AUDIO STREAM NUMBER         RESERVED           b79         b78         b77         b76         b75         b74         b73         b72           MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           RESERVED           b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26	b103	b102	b101	b100	b99	b98	b97	b96	
MULTICHANNEL STRUCTURE TYPE         CHANNEL ASSIGNMENT           b87         b86         b85         b84         b83         b82         b81         b80           DECODING AUDIO STREAM NUMBER         RESERVED           b79         b78         b77         b76         b75         b74         b73         b72           MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           B63         b62         b61         b60         b59         b58         b57         b56           B55         b54         b53         b52         b51         b50         b49         b48           B47         b46         b45         b44         b43         b42         b41         b40           B39         b38         b37         b36         b35         b34         b33         b32           B49         b28         b27         b26         b25         b24           B49         b28         b27         b26         b25         b24 <t< td=""><td>L</td><td><u>f</u></td><td>S</td><td></td><td></td><td>RESE</td><td>RVED</td><td></td></t<>	L	<u>f</u>	S			RESE	RVED		
b87         b86         b85         b84         b83         b82         b81         b80           DECODING AUDIO STREAM NUMBER         RESERVED           b79         b78         b77         b76         b75         b74         b73         b72           MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           b63         b62         b61         b60         b59         b58         b57         b56           ESERVED         B55         b54         b53         b52         b51         b50         b49         b48           B47         b46         b45         b44         b43         b42         b41         b40           B39         b38         b37         b36         b35         b34         b33         b32           B31         b30         b29         b28         b27         b26         b25         b24           B23         b22         b21         b20         b19         b18         b17         b16 <td></td> <td></td> <td></td> <td>b92</td> <td>b91</td> <td>b90</td> <td>b89</td> <td>b88</td>				b92	b91	b90	b89	b88	
DECODING AUDIO STREAM NUMBER         RESERVED           b79         b78         b77         b76         b75         b74         b73         b72           MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           RESERVED           b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8	MULTIC	HANNEL STRUC	TURE TYPE		CHANN	IEL ASSIGN	MENT		
b79         b78         b77         b76         b75         b74         b73         b72           MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           RESERVED           b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b				b84	b83	b82	<u>b81</u>	b80	
MPEG AUDIO DRC         RESERVED         COMPRESSION AUDIO CHANNEL NUMBER           b71         b70         b69         b68         b67         b66         b65         b64           RESERVED           b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8 <td col<="" td=""><td>DECODI</td><td>NG AUDIO STREA</td><td>M NUMBER</td><td></td><td></td><td>RESERVED</td><td></td><td></td></td>	<td>DECODI</td> <td>NG AUDIO STREA</td> <td>M NUMBER</td> <td></td> <td></td> <td>RESERVED</td> <td></td> <td></td>	DECODI	NG AUDIO STREA	M NUMBER			RESERVED		
b71         b70         b69         b68         b67         b66         b65         b64           RESERVED           b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b15         b4         b5         b4				b76	b75	b74	b73	b72	
RESERVED    b63   b62   b61   b60   b59   b58   b57   b56     RESERVED    b55   b54   b53   b52   b51   b50   b49   b48     RESERVED    b47   b46   b45   b44   b43   b42   b41   b40     RESERVED    b39   b38   b37   b36   b35   b34   b33   b32     RESERVED    b31   b30   b29   b28   b27   b26   b25   b24     RESERVED    b23   b22   b21   b20   b19   b18   b17   b16     RESERVED    b15   b14   b13   b12   b11   b10   b9   b8     RESERVED    b7   b6   b5   b4   b3   b2   b1   b0	MPEG	AUDIO DRC	RESE	RVED	COMPRE	SSION AUDIO	CHANNEL	NUMBER	
b63         b62         b61         b60         b59         b58         b57         b56           RESERVED           b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	b71_	b70	b69	b68	b67	b66	b65	b64	
RESERVED           BESERVED           BESERVED           BESERVED           BASS				RESE	RVED				
b55         b54         b53         b52         b51         b50         b49         b48           RESERVED           b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	<u>b63</u>	b62	b61	b60	b59	b58	b57	b56	
RESERVED  b47 b46 b45 b44 b43 b42 b41 b40  RESERVED  b39 b38 b37 b36 b35 b34 b33 b32  RESERVED  b31 b30 b29 b28 b27 b26 b25 b24  RESERVED  b23 b22 b21 b20 b19 b18 b17 b16  RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED				
b47         b46         b45         b44         b43         b42         b41         b40           RESERVED           b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	<u>b55</u> _	<u>b54</u>	b53	b52	b51	b50	b49	b48	
RESERVED  b39 b38 b37 b36 b35 b34 b33 b32  RESERVED  b31 b30 b29 b28 b27 b26 b25 b24  RESERVED  b23 b22 b21 b20 b19 b18 b17 b16  RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED			_	
b39         b38         b37         b36         b35         b34         b33         b32           RESERVED           b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	<u>b47</u>	b46	b45	b44	b43	b42	b41	b40	
RESERVED  b31 b30 b29 b28 b27 b26 b25 b24  RESERVED  b23 b22 b21 b20 b19 b18 b17 b16  RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED	<del></del>			
b31         b30         b29         b28         b27         b26         b25         b24           RESERVED           b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	<u>b39</u>	b38	b37	b36	b35	b34	b33	b32	
RESERVED  b23 b22 b21 b20 b19 b18 b17 b16  RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED				
b23         b22         b21         b20         b19         b18         b17         b16           RESERVED           b15         b14         b13         b12         b11         b10         b9         b8           RESERVED           b7         b6         b5         b4         b3         b2         b1         b0	<u>b31</u>	b30	b29	b28	b27	b26	b25	b24	
RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED				
RESERVED  b15 b14 b13 b12 b11 b10 b9 b8  RESERVED  b7 b6 b5 b4 b3 b2 b1 b0	b23	b22	b21	b20	b19	b18	b17	b16	
RESERVED b7 b6 b5 b4 b3 b2 b1 b0				RESE	RVED				
b7 b6 b5 b4 b3 b2 b1 b0	<u>b15</u>	b14	b13	b12	b11_	b10	<b>b</b> 9	b8	
21 20 21 50	<u></u>			RESEF	RVED				
RESERVED	b7	b6	b5	b4	b3	b2	b1	b0	
				RESEF	RVED				

#### ATS-DM-COEFT#0-#15

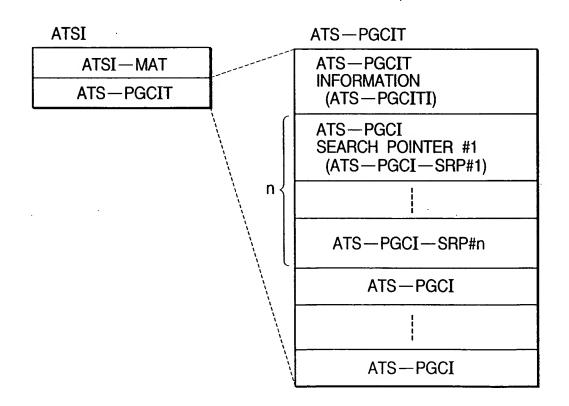
	T
CONTENTS	BYTE NUMBER
DOWN MIX COEFFICIENT OF TABLE NUMBER 0	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 1	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 2	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 3	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 4	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 5	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 6	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 7	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 8	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 9	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 10	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 11	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 12	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 13	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 14	18
DOWN MIX COEFFICIENT OF TABLE NUMBER 15	18

FIG. 78

ATS-SPCT-ATR

b15	b14	b13	b12	b11	b10	<b>b</b> 9	b8
VIDEO COMPRESSION MODE		TV SY	STEM	ASPEC	T RATIO	DISPLAY	MODE
b7	b6	<b>b</b> 5	b4	b3	b2	b1	b0
RESERVED			CE PICT	URE	R	ESERVED	

FIG. 79



#### ATS-PGCITI

RBP		BYTE NUMBER
0~1	ATS-PGCI-SRP NUMBER	2
2~3	RESERVED	2
4~7	ATS-PGCIT END ADRS	4

### FIG. 81

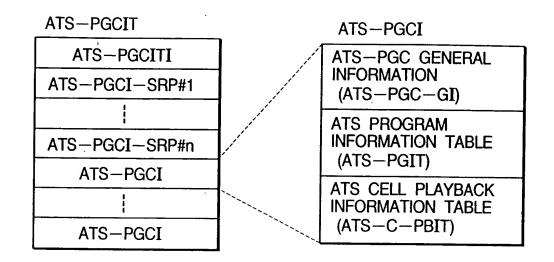
#### ATS-PGCI-SRP

RBP		BYTE NUMBER
0~3	ATS-PGC CATEGORY (ATS-PGC-CAT)	4
4~7	ATS-PGCI END ADRS	4

### FIG. 82

ATS-PGC-CAT b28 b25 b24 b29 b26 b31 b30 b27 **ENTRY** ATS-TTN **TYPE** b19 b18 b17 , b16 b23 b22 b21 b20 AUDIO CHANNEL NUMBER **BLOCK MODE BLOCK TYPE** b14 b13 b12 b11 , b10 **b**9 **b8** b15 AUDIO ENCODING MODE b0 b7 **RESERVED** 

FIG. 83



#### ATS-PGC-GI

RBP		BYTE NUMBER
0~3	ATS-PGC CONTENTS (ATS-PGC-CNT)	4
4~7	ATS-PGC PLAYBACK TIME (ATS-PGC-PB-TM)	4
8~9	RESERVED	2
10~11	ATS-PGIT START ADDRESS	2
12~13	ATS-C-PBIT START ADDRESS	2
14~15	RESERVED	2

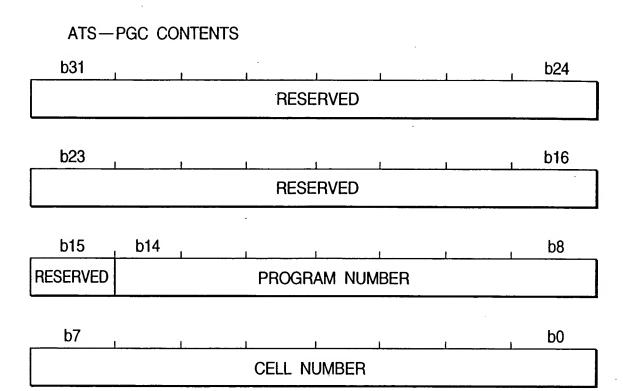


FIG. 86

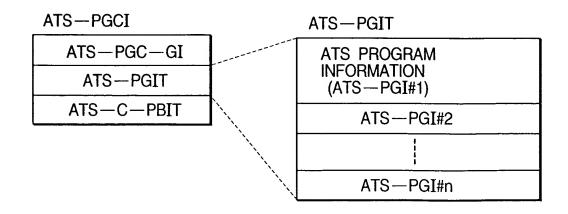


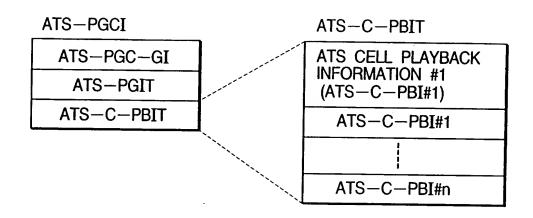
FIG. 87

Α	TS	 PG	Ī

RBP		BYTE NUMBER
0~3	ATS-PG CONTENTS (ATS-PG-CNT)	4
4	ATS-PG ENTRY CELL NUMBER	1
5	RESERVED	1
6~9	FAC-S-PTM	4
10~13	ATS-PG PLAYBACK TIME	4
14~17	ATS-PG PAUSE TIME	4
18	COPYRIGHT MANAGEMENT INFO CMI	1
19	RESERVED	, 1

ATS-PG-CNT

b31	b30	b29	b28	b27	b26	, b25	b24
R/A	STC —F	ATRN ChGr2 BIT SHIFT			IFT		
b23	b22	b21	b20	b19	, b18	b17	b16
RESE	RESERVED		D-M D-M EFFECT		DM — COEFTN		
b15	b14	b13	b12	b11	b10	, b9	, b8
F15	F14	F13	F12	F11	F10	F9	F8
b7	. b6	. b5	. b4	b3	b2	, b1	. b0
F7	F6	F5	F4	F3	F2	F1	F0

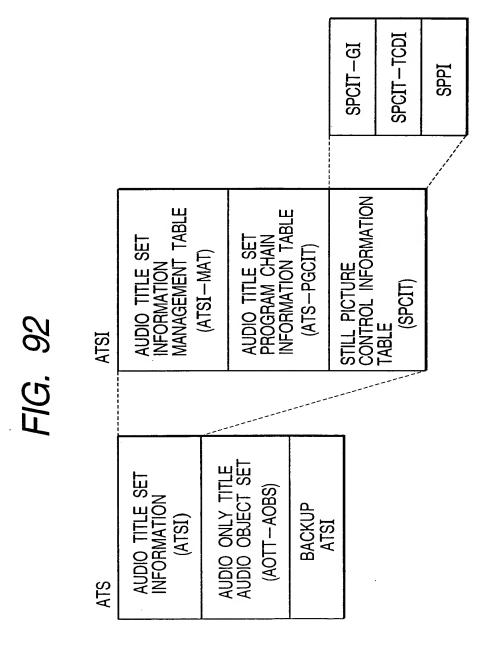


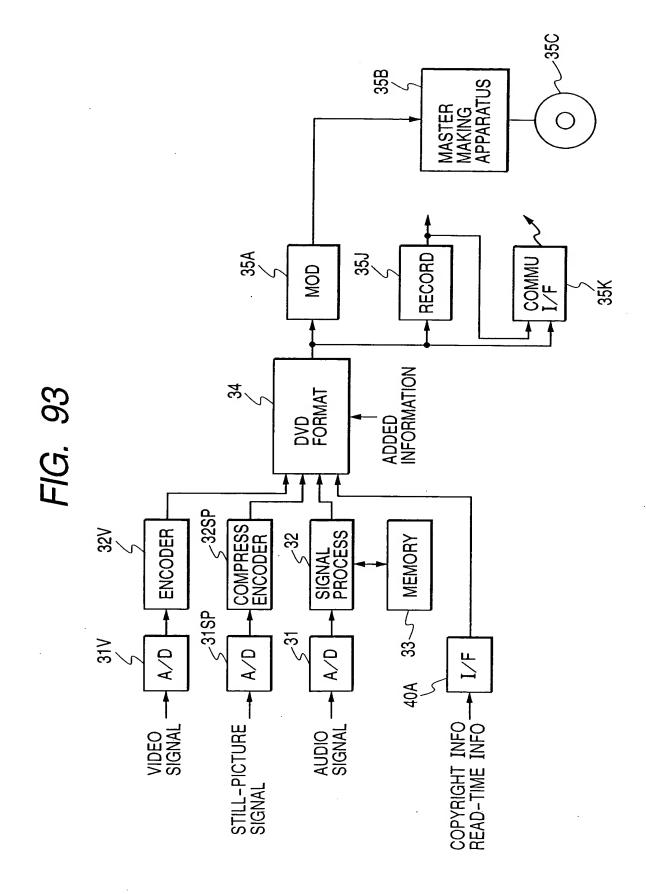
ATS-C-PBI

RBP		BYTE NUMBER
0	ATS-C INDEX NUMBER	1
1	ATS-C TYPE (ATS-C-TY)	1
2~3	RESERVED	2
4~7	ATS-C START ADDRESS	4
8~11	ATS-C END ADDRESS	4

ATS-C-TY FIG. 91

b7	b6	b5	b4	b3	b2	b1	b0
ATS-C-COMP RESERVED		ATS-C Usage					





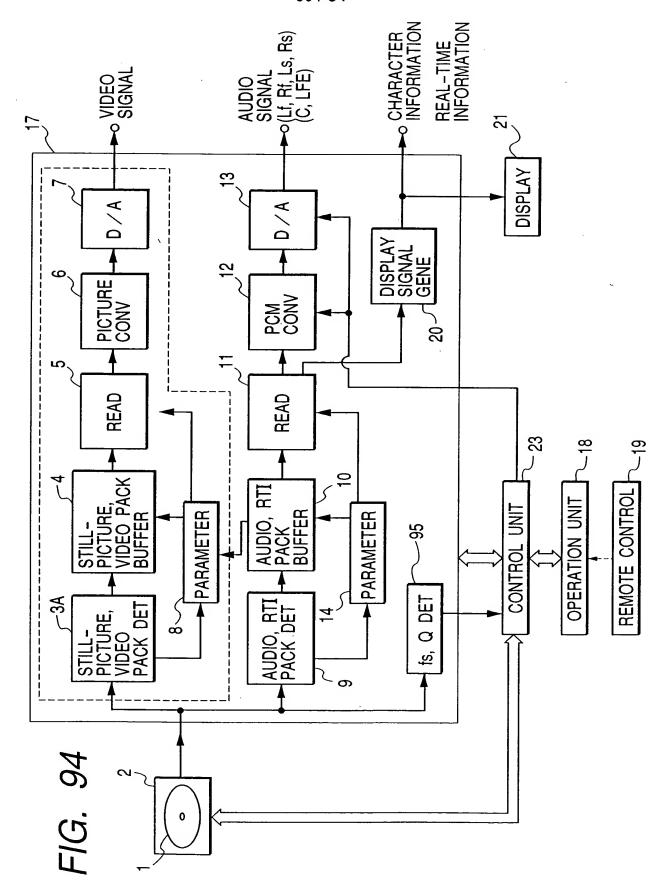
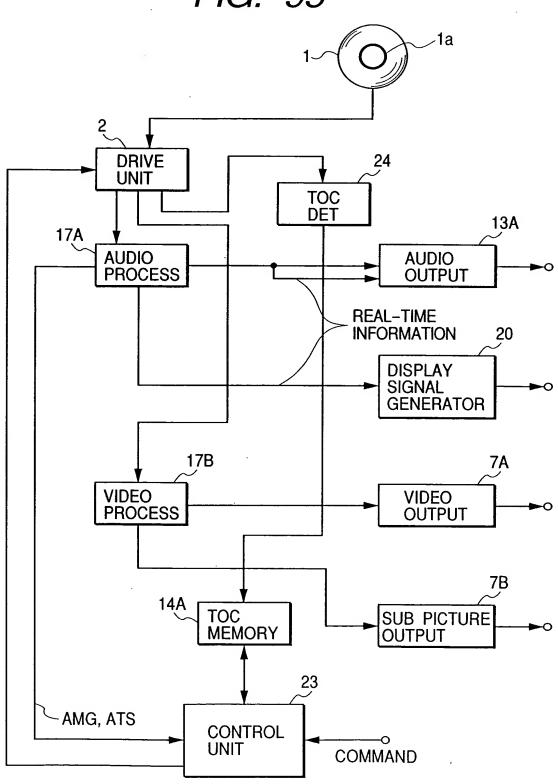


FIG. 95



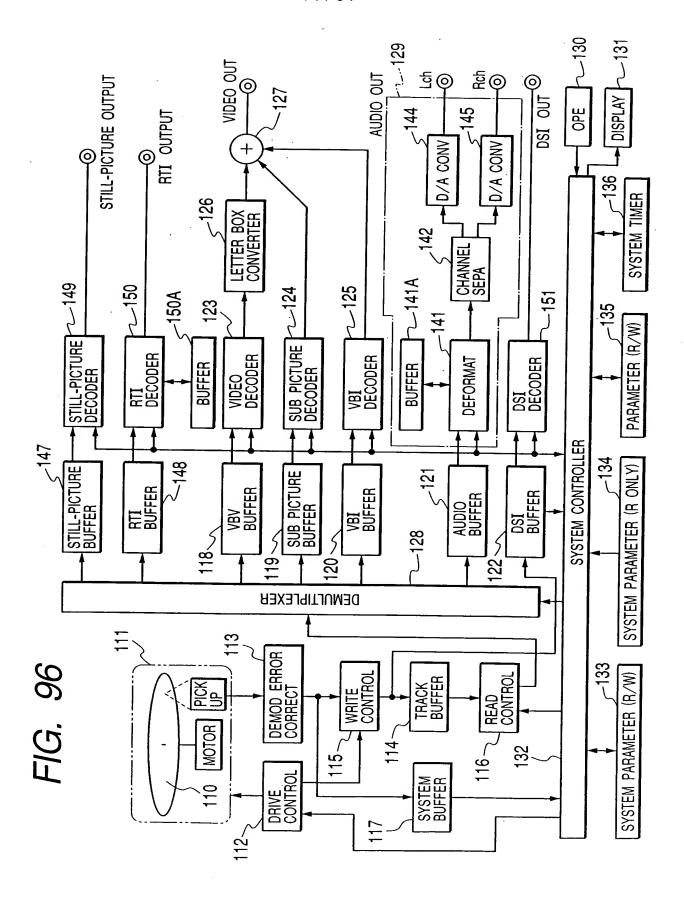


FIG. 97

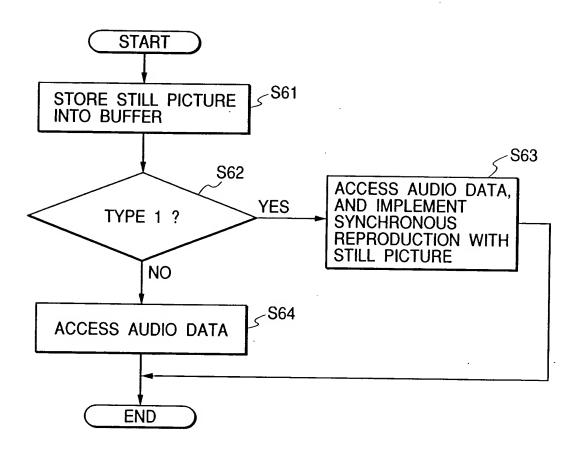
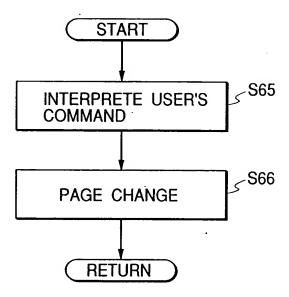
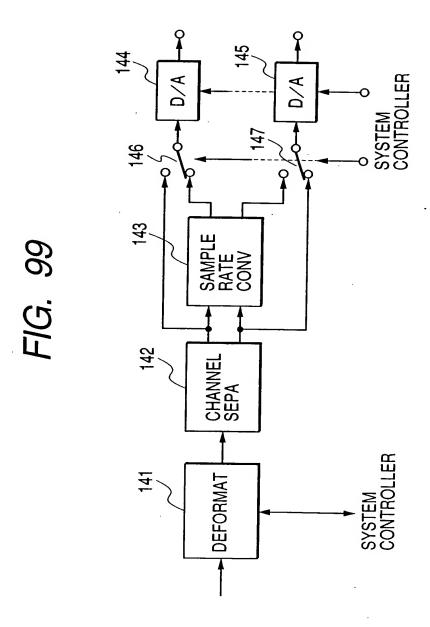
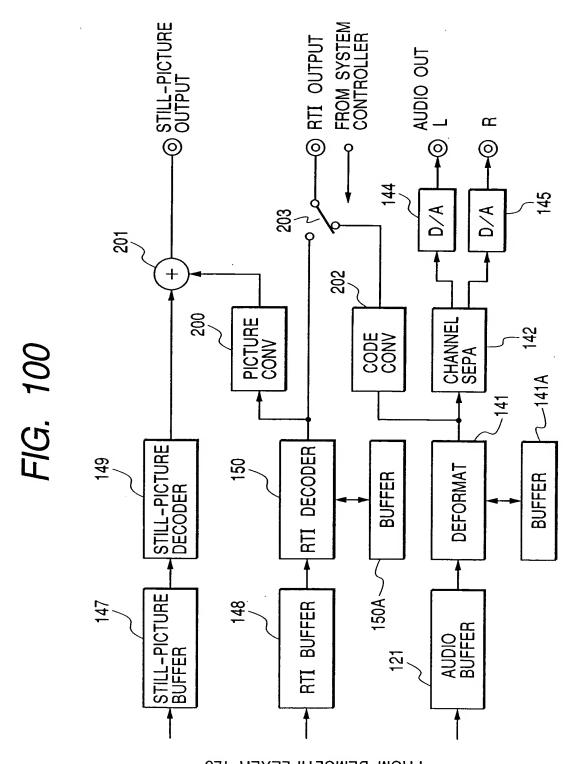


FIG. 98

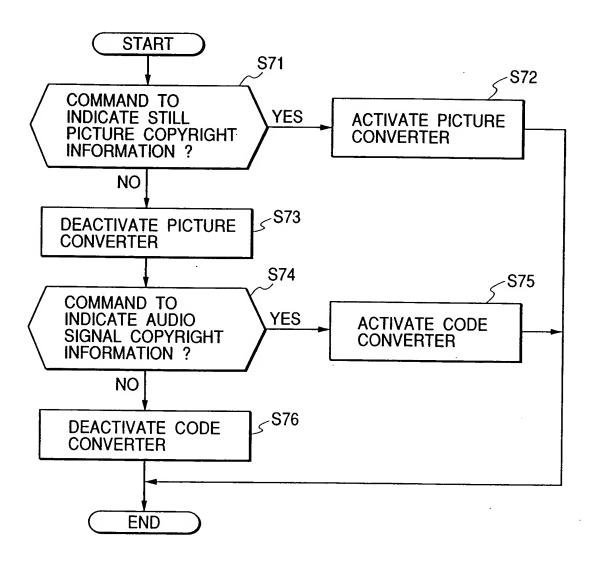






FROM DEMULTIPLEXER 128

FIG. 101



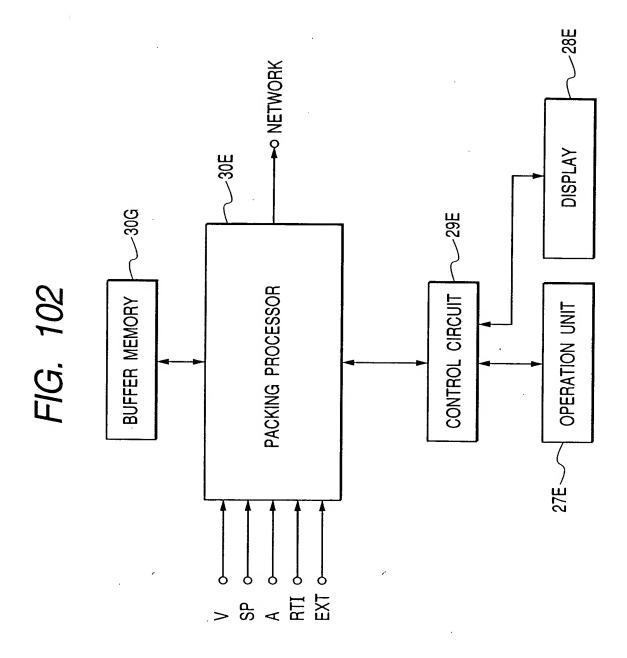
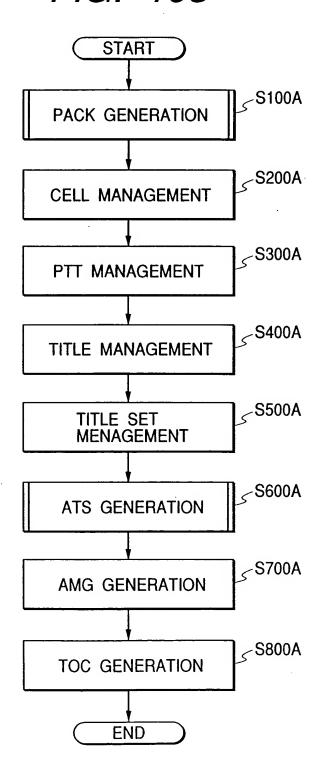


FIG. 103



## FIG. 104

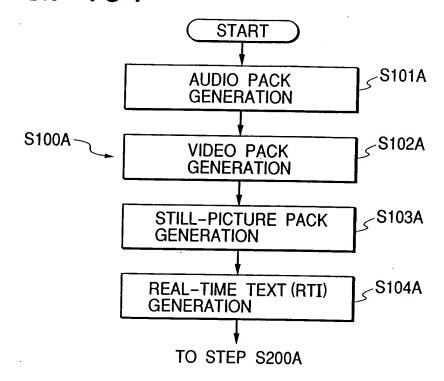


FIG. 105

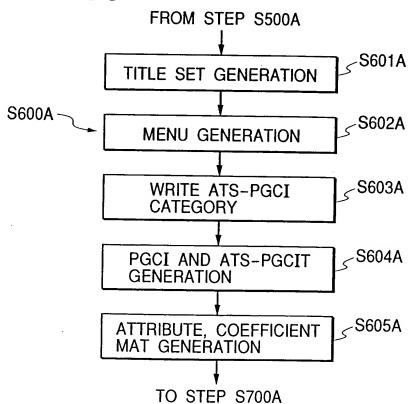
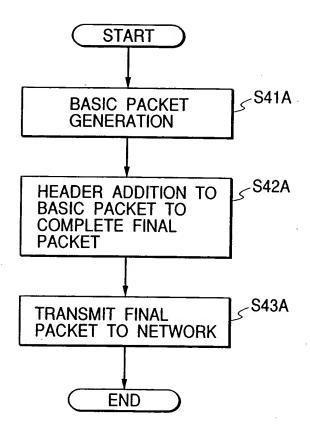


FIG. 106



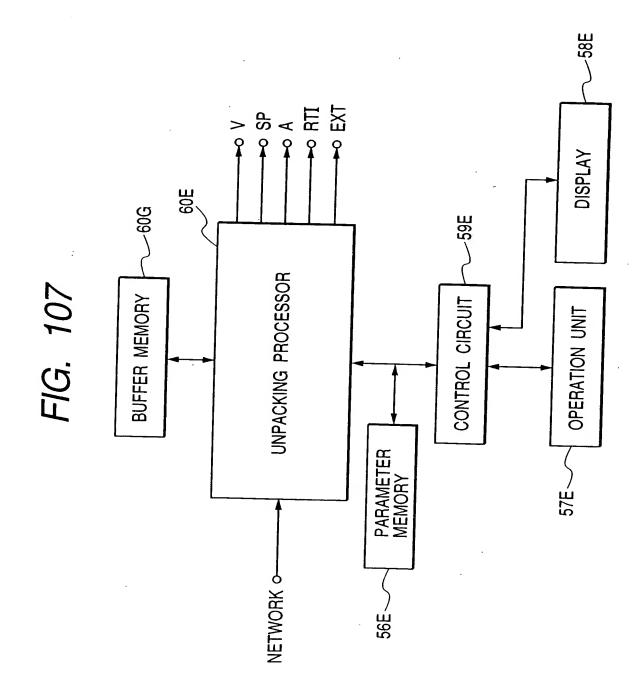


FIG. 108

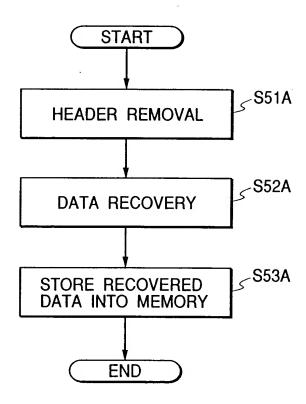
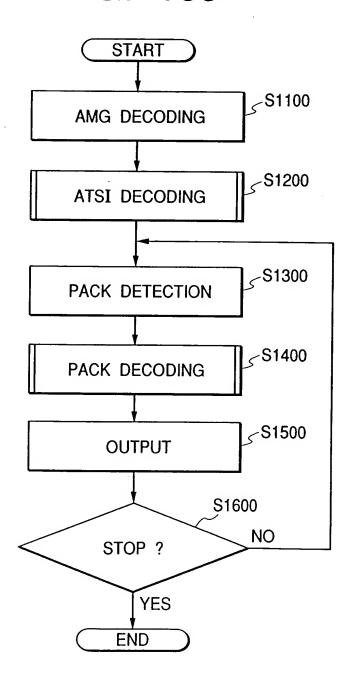
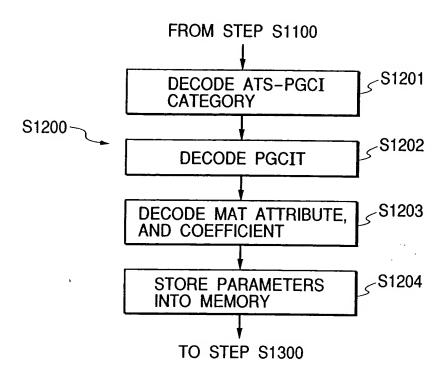


FIG. 109



## FIG. 110



## FIG. 111

